Lawrence Livermore National Laboratory (LLNL)

Business Management Training

Overview

Lawrence Livermore National Laboratory, Livermore, California, offers a variety of business management related training.

Contained in this section are points of contact (POC) and course descriptions for the following business management related areas:

- Financial Management Training Program (FMTP)
- Administrative Information Systems (AIS) Department
- Technology Transfer Initiatives Program
- Procurement Department
- Business Services Department

A more extensive listing of all LLNL courses is available from the LLNL Human Resources Department.

LLNL POC

For general information about business management classes at LLNL, contact:

Pamela K. Kappelhof Lawrence Livermore National Laboratory P. O. Box 808, L-319 Livermore, CA 94550

voice: 510-422-6171 fax: 510-423-5156 e-mail: kappelhof1@llnl.gov

For information on any of the individual classes listed in the rest of the LLNL section, contact the POC for the organization that is offering the course or the POC listed with the course description.

Financial Management Training Program (FMTP)

FMTP Overview

The LLNL Financial Management Training Program (FMTP) was established in 1993 to enhance the training curriculum for people with financial management responsibilities and to meet the needs of a changing business environment. A training needs analysis was conducted and an Advisory Committee was established to help focus the training program on customer needs. The Advisory Committee has representatives for each of the LLNL Associate Directors. The FMTP develops in-house training or seeks outside sources to fulfill the customers' needs.

A customer survey identified the need for twenty courses. The FMTP Leader and the Advisory Committee prioritized the twenty courses on the basis of the highest customer need for the subject matter and split the course development process into three phases that would span approximately three years. Phase I focused on revisions and restructuring of some existing courses and the development of new courses. Phase I produced six FMTP classes. During FY94 and FY95, the FMTP has continued to develop new courses while updating and teaching existing courses. Phase II of our course development schedule is 55% complete as of the end of FY95. Phase III is scheduled to begin by April 1996.

In addition to classroom training, the FMTP developed a training module and provided a briefing for Laboratory Managers and Project Leaders to explain the new LLNL Business Management System for FY95. Eleven briefings were delivered to the Programs, on request, and were conducted at staff meetings and all-hands meetings.

Point of Contact

Pamela K. Kappelhof

Lawrence Livermore National Laboratory

P. O. Box 808, L-319 Livermore, CA 94550 voice: 510-422-6171 fax: 510-423-5156 e-mail: kappelhof1@llnl.gov

FMTP Mission

The mission of the Financial Management Training Program (FMTP) is to provide training which will enable LLNL personnel to fulfill their financial management responsibilities in:

- Meeting the needs identified by the LLNL program/organizations
- Support of the LLNL Mission:
 - "Achieve excellence in business management and administration"
- Compliance with:

Contract 48, including DOE Orders and Performance Measures

Cost Accounting Standards (CAS) LLNL Policies and Procedures

FMTP Advisory Committee

An Advisory Committee was established in 1993 and is responsible for developing the LLNL Financial Management Training Program as follows:

- Define course content, prerequisites, and target audience
- Establish course development priorities
- Establish focus groups for course development
- Evaluate courses and instructors in pilot presentations

The Advisory Committee includes a representative from the Finance Department, Budget Office, and each Associate Director.

FMTP Course Development Phase I

Courses	Status	
Overview of Financial Management	Complete	
Federal Budget Process & DOE Funding	Complete	
Cost Estimating Workshop	Complete	
Quality Budget Estimating for the Non-Financial Manager (renamed: Financial/Workforce Planning for Managers)	Complete	
Effort Workshop	Complete	
Ledger Adjustments	Complete	

FMTP Course Development Phase II

Courses	Status	
Construction Funding & Accounting Module I & II	Complete	
Construction Funding & Accounting Module III & IV	Complete	
Construction Funding & Accounting Module V, VI, & VII	Complete	
Capital Equipment	Complete	
Unallowable Cost	Complete	
Program Development for the 90's	Complete	
Work for Others	In Process	
What's New for FYxx	In Process	
Distributed Budgets	To begin 10/95	
How to Interpret Financial Information	To begin 10/95	
Procurement Process for the User	To begin 10/95	

FMTP Course Development Phase III

Courses	Status
Financial Audits and Reviews	Future
Overview of the Controller's Organization	Future
Laboratory Directed Research & Development (LDRD)	Future
DOE Financial Reporting System (FIS)	Future
Cost Accounting Standards (CAS)	Future
Introduction to Financial Accounting and Cost Accounting	Future

Courses Course Title: **Overview of Financial Management** Available

Course Number: FM1000 Fee: No fee

Developed, Revised: 12-93, revised 6-95

Operations Office: DOE/OAK

Contact: Pamela Kappelhof

510-422-6171

Open to all employees Audience:

Description: This course will provide an introduction to the major issues

> and factors involved in financial management. Participants will learn to work within the internal and external influences that affect financial management at LLNL. At the conclusion of the class, participants will be able to identify methods for funding programs as well as support organizations, the financial management responsibilities of every employee, and

where to go and who to see for more detailed information. This course also allows participants to obtain the basic knowledge, skills, and attitudes necessary for other courses within the Financial Management Training Program (FMTP).

Annual or as policy and procedures change

Prerequisites: None

Media: Computer-based slides Crossword puzzle review Activities:

Course Length: 3.5 hours Copyright Status: N/A

Course Review Cycle:

Student Evaluation/JPM: None

Applicable DOE

Course Title: The Federal Budget Process and DOE Funding
Available Course Number: FM1010

Course Number: FM1010 Fee: No fee

Developed, Revised: 12-93, revised 4-95

Operations Office: DOE-OAK

Contact: Pamela Kappelhof 510-422-6171

Audience: Resource analysts and project leaders who manage funding

from the DOE and other Federal agencies.

Description: This course provides participants with a comprehensive

review of the Federal Budget Process (FBP), DOE funding process, and LLNL-related activities. At the conclusion of this

course, participants will be able to:

• Describe the FBP

• Describe the DOE funding process as it relates

to LLNL

• Apply knowledge of the FBP to effective decision-making and budget management

• Identify types of DOE funding

Distinguish between Budget Authority (BA) and

Budget Outlay (BO), and identify uncosted

obligations

Demonstrate how to prepare a Field Work

Proposal (FWP)

• Interpret the Work Authorization Form (WAF),

Approved Funding Program (AFP), Contract

Mod, and Cost Budget Report

Prerequisites: FM1000, Overview of Financial Management (recommended)

Media: Computer-based slides

Activities: Section summary review questions

Course Length: 3.0 hours
Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: None

Applicable DOE

CoursesCourse Title:Cost Estimating WorkshopAvailableCourse Number:FM1020

Course Number: FM1020 Fee: No fee

Developed, Revised: 12-93, revised
Operations Office: DOE-OAK
Contact: Pamela Kappelhof

510-422-6171

Audience: Resource analysts involved in detailed development of cost

estimates for projects or organizations.

Description: This course provides participants with a comprehensive

understanding of the techniques for establishing and managing quality budgets. At the conclusion of this course, participants

will be able to:

• Define a FTE and other labor categories, and calculate their costs

 Assist the project leader in identifying expenses and the required level of effort, and calculate their cost

Determine when and how to apply distributed charges

Develop quality budget plans and adequate documentation

 Evaluate options for ensuring adequate funding for unplanned expenses or unknown levels of effort

 Determine the most useful cost tracking and management techniques for your area

• Determine the most appropriate costestimating techniques for your project

Participants will be asked to share experience and work with

others in small groups on class exercises.

Prerequisites: FM1000, Overview of Financial Management

(recommended); FM1025, Financial/Workforce Planning for Managers is required for all Resource Analysts with less than

1 year of experience.

Media: Computer-based slides

Activities: Classroom scenarios to develop cost estimates

Course Length: 9.0 hours (over 3 days suggested)

Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: Written post test (also used as pretest and

followup)

Applicable DOE

Courses Title: Financial/Workforce Planning for Managers
Available Course Number: FM1025

Course Number: FM1025 Fee: No fee

Developed, Revised: 12-93; revised and renamed,7-95

Operations Office: DOE-OAK

Contact: Pamela Kappelhof

510-422-6171

Audience: Project leaders, principal investigators, division leaders, group

leaders, and new resource analysts

Description: (formerly "Quality Budget Estimating for the Non-Financial

Manager") This course will cover the principles of developing a cost estimate and managing expenditures. The information presented is applicable to all types of funding at LLNL (DOE,

WFO, G&A, etc.). At the conclusion of this course,

participants will be able to:

• Define their financial management responsibilities and establish an effective

financial management team.

• Define financial management terms and

procedures.

• Identify the steps necessary to develop a cost estimate, and apply distributed charges (OPC, PMC, OFC, G&A, etc.). After this course, students may want to take the Cost Estimating

Workshop (FM1020) to further develop

their skills.

Prerequisites: FM1000, Overview of Financial Management (recommended)

Media: Computer-based slides

Activities: None
Course Length: 4.0 hours
Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: None

Applicable DOE

Courses Title: **Effort Workshop**

Available Course Number: FM2000 Fee: No fee

12-93 Developed, Revised: Operations Office: DOE-OAK Contact: Mary Linton

510-423-0871

Open to all employees Audience:

Description: This course will provide participants with an understanding of the LLNL effort reporting process using the timecard system.

The course goal is to assist the Programs in monitoring their labor charges more efficiently and answering questions on the detail efforts reports available through ASSIST. These topics

are covered:

Processing timecards

Introduction to FTEM, the new electronic timecard

system

Validation and correction of timecard information

Effort charged to closed account

(drop-out report)

Effort charged to incorrect account

(detail effort and global effort

transfers)

Incorrect reporting of leave

(corrected timecard)

Prerequisites: None

Media: Computer-based slides

Activities: None Course Length: 2.0 hours Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: None

Applicable DOE

N/A Orders: Accredited: N/A

CoursesTitle:Ledger AdjustmentsAvailableCourse Number:FM2010

Course Number: FM2010 Fee: No fee

Developed, Revised: 12-93; revised, 2-95

Operations Office: DOE-OAK
Contact: Mary Linton

510-423-0871

Audience: Resource analysts

Description: Upon completion of this course, participants will be able to

open general ledger accounts, maintain signature authority, close accounts, and prepare cost transfers with appropriate justification and documentation. The following topics are

covered:

Opening and closing accounts

Signature authority

· Cost-transfer minimization

JustificationDocumentation

Transfers between direct and indirect accounts

How to calculate distributed charges

Liens and pre-liensElectronic cost transfers

• Budget and Reporting (B&R) codes and Program

codes

Cost accruals

Prerequisites: FM1000, Overview of Financial Management (recommended)

Media: Computer-based slides
Activities: Scenarios and justification

Course Length: 4 hours Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: None

Applicable DOE

Courses Available Title: Construction Funding and Accounting,

Modules I & II

Course Number: FM2030-A
Fee: No fee
Developed, Revised: 3-95
Operations Office: DOE-OAK
Contact: Mary Linton

510-423-0871

Audience: Resource analysts, project managers, facility managers, and

others with responsibilities

involving construction activities.

Description: This course consists of two modules, an Overview of

Construction Funding and Accounting, and Early Project Development. The Overview, which is 3.5 hours, provides a broad knowledge of funding and accounting processes as they apply to different types of construction projects. Early Project Development, a 2-hour module, identifies concerns that must be addressed before the construction funding request. This course is a prerequisite for FM2030-B and FM2030-C.

Prerequisites: FM1000, Overview of Financial Management (recommended)

Media: Computer-based slides

Activities: Scenarios to determine funding sources

Course Length: 5.5 hours
Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: None

Applicable DOE

Courses Title: Construction Funding and Accounting, Available

Modules III & IV

Course Number: FM2030-B No fee Fee: Developed, Revised: 3-95 Operations Office: DOE-OAK Contact: Mary Linton

510-423-0871

Resource analysts, project managers, facility Audience:

managers, and others with responsibilities

involving construction activities.

Description: This course consists of two modules, both of which

> deal with construction projects funded with operating money. One module addresses projects

which are less than or equal to \$300K; this is the most common range of construction projects at LLNL. The other module addresses projects which are over \$300K and the specific LLNL policies and procedures governing these projects. Participants

will be able to identify the criteria which

designate operating-funded projects needing financial approval, and will be able to apply the processes for that

approval.

Prerequisites: FM2030-A

Media: Computer-based slides

Activities: None 3.5 hours Course Length:

Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedures change

Student

Evaluation/JPM: None Applicable DOE

Courses Available Title: Construction Funding and Accounting,

Modules V, VI, & VII

Course Number: FM2030-C
Fee: No fee
Developed, Revised: 3-95
Operations Office: DOE-OAK
Contacts: Mary Linton
510-423-0871

Audience: Resource analysts, project managers, facility managers, and

others with responsibilities

involving construction activities.

Description: This course consists of three modules, all of which are related

to construction projects funded with capital money.
Participants will be introduced to the Capital Assets
Management Process (CAMP) and to the approval/funding
processes for line-item projects and General Plant Projects
(GPP). Participants will be able to identify the criteria which
designate capital projects, and will be able to apply the

processes for approval of these projects.

Annual or as policy and procedures change

Prerequisites: FM2030-A is required Media: Computer-based slides

Activities: None
Course Length: 3.5 hours
Copyright Status: N/A

Course Review Cycle:

Student

Evaluation/JPM: None

Applicable DOE

Courses Title: Capital Equipment
Available Course Number: FM2040

Course Number: FM2040
Fee: No fee
Developed, Revised: 7-95
Operations Office: DOE-OAK
Contact: Mary Linton

510-423-0871

Audience: Resource analysts and other employees with financial

responsibilities for the acquisition of capital equipment.

Description: Upon completion of this course, participants will be able to

define and apply the term "Capital Equipment," outline the processes for acquisitions of capital equipment, and identify

types and sources of funding, apply the concepts of "maintenance" and "significant betterments" to capital equipment, and identify the key contacts for tracking and

retiring capital equipment. Topics incuded:

• Capital equipment criteria

 Personal property, real property, and related personal property

Sources of capital equipment fundsFabrication of capital equipment

Other methods of acquiring cad units and the

Property Record Unit Catalog

Maintenance of capital equipment

Betterments to capital equipment

Trailers and modular units

Prerequisites: FM1000, Overview of Financial Management (recommended)

Media: Computer-based slides

Activities: None
Course Length: 3 hours
Copyright Status: C/A

Course Review Cycle: Annual or as policy and procedure change

Student

Evaluation/JPM: None

Applicable DOE

Courses Title: Unallowable Costs

Available Course Number: FM3000 Fee: No fee

Developed, Revised:
Operations Office:
Contact:

No fee
6-95
DOE-OAK
Mike Hodsdon
510-423-4005

Audience: Resource analysts; others responsible for initiating, reviewing

or approving expenditures and cost allocations; persons responsible for policies and procedures that affect costs.

Description: This course identifies and discusses costs that are unallowable

under Contract 48. At the conclusion of this course, participants will be familiar with each of the 35 expressly

unallowable cost clauses

in Contract 48, and understand how costs can be unallowable if they are not in accordance with Contract terms, "allocable" and "reasonable." The requirement for costs to be consistent with generally accepted accounting principles will also be introduced. Participants will be provided with reference material from Contract 48 and policy and procedures.

Prerequisites: None

Media: Computer-based slides

Activities: Case study scenarios, beginning and end

Course Length: 2 hours Copyright Status: N/A

Course Review Cycle: Annual or as policy and procedure change

Student

Evaluation/JPM: None

Applicable DOE

Courses Title: Program Development for the 90s

Available Course Number: FM4000 Fee: No fee

Developed, Revised: 7-95
Operations Office: DOE-OAK
Contact: Karen Karr
510-423-9106

Audience: Technical staff and/or those responsible for initiating and

administering technical projects

Description: The 90s will challenge LLNL to focus on dynamic problems

of national importance and to work in an environment where the resources of Federal, state, and local agencies, universities, and industries will be applied to find solutions. This course will provide an overview to Laboratory staff of the

will provide an overview to Laboratory staff of the administrative tools available and the associated

implementation processes. The forum allows for interactions between the participants and the subject matter experts. At the conclusion of this class, participants will be able to identify:

• Methods for funding programs

Support organizationsIndividual responsibility

• Where to go and who to see for more

Annual or as policy and procedure change

detailed information

Prerequisites: None

Media: Computer-based slides and Handbook

Activities: None
Course Length: 3 hours
Copyright Status: N/A

Course Review Cycle:

Student

Evaluation/JPM: None

Applicable DOE

Administrative Information Systems (AIS) Department

Overview

Administrative Information Systems (AIS) assists Laboratory clients with automated solutions to business information problems. The AIS End Users Services Team provides training for three institutional products:

- Administrative Support Systems for Information and Storage (ASSIST)
- Batch Financial Resource Reporting System
- Estimate. AIS and FMTP recently (1995) combined their efforts and skill to develop an easy step-by-step training course

Point of Contact

Karen D. Gunn

Lawrence Livermore National Laboratory

P. O. Box 808, L-613 Livermore, CA 94550 voice: 510-423-1208 fax: 510-422-1402 e-mail: gunn2@llnl.gov

Courses Available

Course Title: ASSIST Basics

Course Number: AI2000-A

Audience: Anyone who has a desire to learn more about accessing

Laboratory institutional data through ASSIST to process online queries, create on-line reports, and download information to an application database. Examples include resource management and coordination, procurement tracking and distribution, property management, and training coordination.

Prerequisite: An ASSIST User ID

Prerequisite course: EC1035, Introduction to PC and DOS; EC2520, Introduction

to Macintosh

Hardware: IBM PC or Macintosh
Offered: Scheduled as needed

Time(s): 8:30–4:00

Type of instruction: Interactive instruction with several individualized mini-labs

Instructor: AIS End User Services Team

Fee: \$240

Number of

participants: 6–8

Administrative Information Systems (AIS) Department,

Continued

CoursesCourse Title:Batch BasicsAvailableCourse Number:AI2002-A

Audience: Anyone who has a desire to build batch reports accessing

Laboratory institutional data to process complex queries that

are too large to view on-line

Prerequisite: An ASSIST User ID

Prerequisite course: AI2000-A, ASSIST Basics; EC1035, Introduction to PC and

DOS; EC2520, Introduction to Macintosh

Hardware: IBM PC or Macintosh
Offered: Scheduled as needed

Time(s): 8:30–4:00

Type of instruction: Interactive instruction with several individualized mini-labs

Instructor: AIS End User Services Team

Fee: \$240

Number of

participants: 6–8

Course Title: **ESTIMATE Basics**

Course Number: AI2003-A

Audience: Resource Analysts and Resource Managers

Prerequisite: An ASSIST User ID

Prerequisite course: AI2000-A, ASSIST Basics; EC1035, Introduction to PC and

DOS; EC2520, Introduction to Macintosh; FM1020, Cost

Estimating Workshop

Hardware: IBM PC or Macintosh
Offered: Scheduled as needed

Time(s): 8:30–4:00

Type of instruction: Interactive instruction with several individualized mini-labs

Instructor: AIS End User Services Team

Fee: \$240

Number of

participants: 6–8

Administrative Information Systems (AIS) Department,

Continued

Available

Course Title: LROCC on ASSIST

Course Number: AI2005

Audience: Anyone who needs to create LROCC reports from ASSIST

Prerequisite: An ASSIST User ID

Prerequisite course: EC1035, Introduction to PC and DOS; EC2520, Introduction

to Macintosh

Hardware: IBM PC or Macintosh Offered: Scheduled as needed

Time(s): 8:30–11:30

Type of instruction: Interactive instruction with several individualized mini-labs

Instructor: AIS End User Services Team

Fee: \$120

Number of

participants: 6

Course Title: ASSIST/Batch for Resource Managers

Course Number: AI2006

Audience: Resource Analysts

Prerequisite: An ASSIST User ID and six months as a Resource Analyst

Prerequisite course: AI2000-A, Assist Basics; AI2002-A, Batch Basics

Hardware: IBM PC or Macintosh Offered: Scheduled as needed

Time(s): 8:30–4:00

Type of instruction: Interactive instruction with several individualized mini-labs

Instructor: AIS End User Services Team

Fee: \$240

Number of

Technology Transfer Initiatives Program

Overview

With the increased emphasis on bringing new business into the Laboratory, the Technology Transfer Initiatives Program created a "Program Development" series of courses to provide guidance for LLNL employees. The training modules are designed to cover the fundamental elements needed for creating, developing, and/or enhancing an alliance with outside entities, from the "Essentials of Program Development" through "Patent Applications."

Point of Contact

Joan H. Gigliati

Description:

Lawrence Livermore National Laboratory

P. O. Box 808, L-220 Livermore, CA 94550 voice: 510-423-9551 fax: 510-423-1877

e-mail: Joan_Gigliati@quickmail.llnl.gov

Courses Available

Course Title: Technology Transfer—Past, Present, and Future

Course Number: TT0001

During the past 40 years, the Laboratory has undergone many transformations as it has taken on new and challenging missions. One of the more profound changes is taking place today as the people who make up this institution begin to interface with the private sector in entirely different ways. Intellectual property and proprietary information are causing each of us to rethink our historic role of freely disseminating unclassified information for the advancement of technology and industry. This workshop takes us from our earliest statutory directives and moves us through the present era of Cooperative Research and Development Agreements (CRADAs) and licensing to a future where we will serve our

country in new and exciting ways.

Audience: Employees who want to learn more about technology transfer

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30–10:30
Length of course: 2 hours
Type of instruction: Lecture
Fee: \$25

Number of

participants: 25–100

Courses Course Title: **Intellectual Property From A-to-Z** available

Course Number: TT0002

> Description: This workshop will cover the legal requirements for obtaining

> > and protecting the intellectual property rights for patents, copyrights, trademarks, trade secrets, and proprietary information. The workshop will emphasize LLNL Patent Group procedures and the ways to prevent loss of intellectual

property rights.

Audience: Employees interested in intellectual property rights

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30-10:30 Length of course: 2 hours Type of instruction: Lecture

Instructor: Patent Group Attorneys

Fee: \$25

Number of

participants: 25 - 100

Course Title: Writing for Dollars: How to Write an Effective Proposal

Course Number: TT0003

Description: What makes a good proposal? What criteria do evaluators use

> to judge your proposal? In this workshop, you will learn how to showcase benefits and features, how to recognize and avoid the pitfalls of a bad proposal, how to determine milestones and

deliverables, and other "tricks of the trade." Employees interested in writing proposals

Prerequisite: None

Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30-10:30 Length of course: 2 hours Type of instruction: Lecture Instructor: **TID Editors**

Fee: \$25

Number of

Audience:

participants: 25 - 100

Courses Available Course Title: Industrial Partnering: Successful Mechanisms

Course Number: TT0004

Description: This workshop covers the substantive components of the

existing and proposed methods of collaboration with industry available at LLNL. It will look at some of the practical problems associated with collaborative research proprietary information, deadlines, and contract administration. The workshop will discuss and distinguish between Cooperative Research and Development Agreements (CRADAs), Site Access Agreements, Personnel Exchanges, Machine

Technology Access Centers, New Facility User possibilities, and the emerging technology transfer aspects of Work for Others. It will also discuss Laboratory, state, and Federal

efforts for small business development.

Audience: Employees interested in industrial partnering

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30–10:30 Length of course: 2 hours Type of instruction: Lecture

Instructor: Technology Transfer staff

Fee: \$25

Number of

participants: 25–100

Courses Available Course Title: Licensing: Turning on the Royalty Stream

Course Number: TT0005

Description: This workshop is organized for and oriented to the needs of

Laboratory investigators. The workshop will cover the stepby-step process from invention disclosure to the successful transfer of a technology to the commercial workplace through licensing. Topics include preparing an effective invention disclosure, assessing the technology for commercial applications, marketing the technology, finding potential licenses, selecting the appropriate type of licensing agreement,

distributing the royalties, licensing vs CRADAs, the

importance of bar dates, and the cooperative but different roles of inventor, the Laboratory Program, and the Technology

Transfer Office.

Audience: Laboratory investigators

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30–10:30 Length of course: 2 hours Type of instruction: Lecture

Instructor: Technology Transfer staff

Fee: \$25

Number of

participants: 25–100

Cou	rs	es	3
Avai	la	b	le

Course Title: Course Number: Description:

Essentials of Program Development

TT0006

This is a fundamental broad-based course in program development that will provide skills, tools, and techniques for identifying and developing opportunities with existing and new sponsors. The course provides an introduction to and an overview of program development from A to Z, beginning with an initial internal assessment of strengths, weaknesses, and opportunities, and continuing through program management and monitoring long-term performance.

- An organizational self-assessment of strengths, and weaknesses, including an analysis of the environment and alternative sources in light of the Laboratory's strategic objectives
- Identification of possible and probable markets, including profiling qualified sponsors, and understanding different buyer roles and the decision making process
- Market analysis, including identifying sponsor needs and developing go/no-go criteria
- Sponsor analysis, including assessing the requirements, understanding the sponsor's needs and expectations, identifying key issues, and weighing the Laboratory's capabilities
- Strategic and tactical planning, including preparing a program development outline for capturing the business opportunity and monitoring progress

Topics:

Courses Available

- Sponsor development and retention, including using an information and communication plan, monitoring satisfaction and progress, and creating sponsor delight
- Developing and documenting a formal business plan for developing specific sponsors or overall program development initiatives
- Program management, including managing ongoing relationships, monitoring performance, and responding to new requirements

Audience: Employees involved in program development within their

organization

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30–4:30 Length of course: 24 hours

Type of instruction: Lecture and small group exercises

Instructor: Self-Management Institute

Fee: \$600–900

Number of

Courses Available

Course Title: Writing Laboratory Proposals

Course Number: TT0007

Topics:

Description: In this course, program and project leaders will learn how to

generate competitive proposals that communicate the Laboratory's unique capabilities and benefits to existing or potential sponsors. This class will provide the skills,

knowledge, tools, and techniques to plan, execute, and manage all essential elements of competitive proposal development

and writing.

 Developing a go/no-go criteria for deciding whether or not to generate a formal proposal or white paper

- Defining customer and Laboratory goals, requirements, and expectations to determine the Laboratory's offer, assess LLNL's potential, and develop a document strategy and themes
- Mocking-up and writing effective executive summaries
- Forming and managing proposal teams and assigning roles and responsibilities
- Designing user-friendly, state-of-the-art formats, visuals, covers, etc.
- Outlining the proposal and responding to sponsor requirements and instructions
- Storyboarding proposal sections and writing proposal drafts quickly and effectively
- Organizing and conducting reviews and approvals
- Developing and using commercial, institutional, or organizational resources to support proposal preparation
- Customizing techniques for specific sponsors, subjects areas, etc.
- Learning techniques to minimize the pain and cost of proposal writing

Audience: Employees who write Laboratory proposals

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30–4:30 Length of course: 16 hours

Type of instruction: Lecture and small group exercises

Instructor: Self-Management Institute

Fee: \$525–725

Number of

Courses Available

Course Title: Enhancing Sponsor Relations

Course Number: TT0008

Description: Whereas Essentials of Program Development (TT0006)

addresses the more global aspects of developing business opportunities, this course focuses on expanding and

solidifying specific sponsor relations. Participants will explore techniques for partnership and team spirit with the sponsor.

Topics: • Understanding value-added and how to

translate the concept into specific strategies for

Laboratory sponsors

 Developing listening and questioning skills to create an open dialogue and appreciate the sponsor's real issues and requirements

 Learning how to pace sponsor interactions; reading and adapting to sponsor feedback; and clarifying, paraphrasing, and summarizing

discussions

 Developing and expanding the knowledge/ information base on the sponsor through a variety of resources and approaches

 Identifying, profiling, and influencing the sponsor's key players while building trust and support throughout their organizations

 Preparing for and facilitating customer meetings to accomplish partnership goals

 Assessing and monitoring customer satisfaction, working tough problems, and

maintaining momentum

Audience: Employees involved in their organization's

program development

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:00–4:30 Length of course: 16 hours

Type of instruction: Lecture and small group exercises

Instructor: Self-Management Institute

Fee: \$600–900

Number of

Courses Available Course Title: Strategic Planning for New Business Opportunities

Course Number: TT0009

Description: In this course, participants learn processes, tools, and

techniques for assessing their internal and external

environments, analyzing alternative sources, balancing short-term interests with longer-term goals, bridging the gap

between changing technologies and emerging customer needs, and outlining a business strategy that contains both an analysis

and an action plan.

Topics:

• Conduct assessments of strengths, weaknesses, and opportunities at the Laboratory and their specific area

· Conduct an Environmental Factors assessment

 Examine corporate mission and define their mission and vision statements within the framework of the corporate strategy and in response to internal/external assessments

Analyze alternative sources and develop a positioning strategy in relation to other sources

 Assess sponsor needs and expectations, technology issues, and technical and program risks

 Write a formal strategic business plan that identifies the path forward

• Set goals and specify tracking metrics

Audience: Employees who are developing business plans for their

organizations

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:00–4:30 Length of course: 16 hours

Type of instruction: Lecture and small group exercises Instructor: Self-Management Institute

Fee: \$600–900

Number of

Courses Available Course Title: Value-Added Program Management

Course Number: TT0012

Description: As the Laboratory transitions more heavily into dual use and

> commercial projects, the balance between technical performance, cost, and schedule must be re-thought. This course provides the framework for implementing new methods

for managing programs in the post-Cold War world.

Topics: Introduction to and definition of program management

The program manager and program team The program management environment

Program risk management

The program cycle

Program visibility (oversight)

The role and relationship of system engineering

Program business controls

The elements required for successful program management

Program status

Program requirements

Corrective actions

Program organization

Program leadership

Program planning

Experienced program and project managers Audience:

Knowledge of the steps in the Project Life Cycle; the basics of Prerequisite:

> project planning; how to budget and schedule a project; how to write a technical task description; and how to establish project milestones. EN2626, CO0519, or equivalent

experience.

Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:30-4:30 Length of course: 24 hours

Type of instruction: Lecture and small group exercises

Instructor: Training Dynamics

Fee: \$600-900

Number of

25 - 30participants:

Courses Available Course Title: Negotiation Mastery

Course Number: TT0013

Topics:

Description: This is a fundamental business communication course

designed to promote sponsor relationships, expand the financial sponsorship of Laboratory business opportunity programs, and improve project management with existing and new sponsors. The course provides the skills, knowledge, and

tools for conducting productive win-win negotiations.

 Examine negotiation as a problem-solving tool for resolving misunderstandings and conflicts with Laboratory sponsors, industrial partners, or internal contacts

- Explore five different negotiating styles: Win-Lose, Lose-Lose, Compromise, Win-Win, and No-Deal
- Develop an appreciation for the Negotiation Strategy Model, and learn how to use it to determine which style to use, given the importance of the relationship and other factors
- Understand how power and influence impact the negotiation process and learn ten specific influence tactics to use in negotiations
- Review the four keys to successful negotiating from the Harvard Negotiation Project
- Learn specific techniques for using negotiating proactively to set mutually agreeable programmatic goals, technical work statements, budgets, and schedules resulting in mutually acceptable goals at acceptable costs and within reasonable timelines

Audience: Employees who negotiate with sponsors

Prerequisite: None Prerequisite course: None

Offered: Scheduled as needed

Time(s): 8:00–4:30 Length of course: 16 hours

Type of instruction: Lecture and small group exercises

Instructor: Self-Management Institute

Fee: \$450–750

Number of

Courses Available Course Title: Patent System and Applications

Course Number: TT0019

Description: This course provides a basic knowledge of the

meaning of intellectual property and property rights, basic definitions of invention and inventorship, novelty and uniqueness; and a working knowledge of how intellectual property rights are secured, protected, and defended. It will cover the critical importance and value of securing patents for inventions and provide a basic knowledge of the patenting

process.

Topics: • Establishing CRADAs and other industrial

partnerships

• Securing work-for-others programs and other new

funding for LLNL

• Establishing LLNL origins for new concepts and inventions as a means of enhancing

Laboratory prestige

• Identifing patentable concepts

 Understand the procedures for patent disclosures, applications, and prosecution

• Establish necessary documenation through lab books, affidavits, and disclosures

Draft patent application texts

Audience: Scientists, engineers and others who need to

understand the Patent System and who need to

file Patent Applications

Prerequisite: None

Offered: Scheduled as needed Time(s): 8:30 am-4:30 pm

Length: 32 hours

Type of instruction: Lecture, workshop sessions
Instructor: Access Research Corporation

Location: To be announced Fee: To be announced

Number of

Procurement Department

Overview

The Procurement Department and LLNL are committed to developing highly trained procurement specialists. The current training program includes courses for procurement specialists and technical release representatives.

In FY96, Procurement will sponsor courses in such areas as Commercial Contracting, Statements of Work, Procurement and Receiving Information System, Time Management, and Contract Law. Special emphasis will be placed on non-Procurement personnel in using the Procurement credit card for small purchases.

The Procurement Department and the Financial Management Training Program (FMTP) staff have recently combined their efforts and skills to develop an easy step-by-step procurement course that will also be offered in FY96.

Point of Contact

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Courses Available

Course Title: Certification Training for Technical Release

Representatives (TRRs)

Description: This is a one-and-one-half-day certification program for

Technical Release Representatives (TRRs) who are authorized to make releases from Commodity/Service Requirement Subcontracts and Blanket Purchase Agreements, or who are authorized to make ProCard purchases in their respective program areas. Certification consists of two modules.

Participants must complete both to receive certification from

the Procurement Department.

Procurement Department, Continued

Courses Available Course Title: Certification on Commodity Requirement Subcontracts

Module 1: Introduction and Classification

Course Number: PR9111

Topics: • Commodity Requirement Subcontract (CRS)

used as a procurement tool

• Item File detail on the release entry in PARIS

PARIS category listing for all LLNL releases

Required for: Technical Release Representatives (TRRs) for commodities to

obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite: Participants must be nominated by a supervisor or CMMD

manager

Prerequisite course: None
Length of course: 3 hours
Instructor: Brenda Ianiro

Fee: \$50 (covers all four modules)

Number of

participants: 20

Course Title: Certification on Commodity Requirement Subcontracts

Module 2: Release Administration

Course Number: PR9112

Topics: • Scope of a CRS in relation to the buyer's and

releaser's responsibilities

• Contractual obligation and terms and

conditions of a CRS

Accountable property

Required for: TRRs for commodities to obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite course: PR9111, Certification on Commodity Requirement

Subcontracts (Module 1)

Length of course: 3 hours
Instructor: Brenda Ianiro

Number of

Courses Available Course Title: Certification on Commodity Requirement Subcontracts

Module 3: Delegation of Authority

Course Number: PR9113

Topics: • Chain of delegation and release authority

granted a releaser

• Contractual, legal, and personal liability as

a releaser

• Regulations, directives, and codes of ethics

prescribed by C&MMD

Required for: TRRs for commodities to obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite course: PR9112, Certification on Commodity Requirement

Subcontracts (Module 2)

Length of course: 3 hours
Instructor: Brenda Ianiro

Number of

participants: 20

Course Title: Certification on Commodity Requirement Subcontracts

Module 4: PARIS Computer Training

Course Number: PR9114

Description: Hands-on PARIS release entry training exercises Required for: TRRs for commodities to obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite course: PR9113, Certification on Commodity Requirement

Subcontracts (Module 3)

Length of course: 3 hours

Instructor: Rebecca Cameron

Number of

Courses Available

Course Title: Certification for Technical Release Representatives on

Service Requirement Subcontracts

Module 1: SRS Concepts

Course Number: PR9115

Topics: • Definition of a Service Requirement

Subcontract (SRS)

• Types of service contracts LLNL uses

• How a SRS works within the LLNL procurement

process

• How SRSs will change the way we do business

• Authorization and code of conduct requirements for Technical Release

Representatives (TRRs)

Required for: TRRs for services to obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite: Participants must be nominated by a supervisor or CMMD

manager

Prerequisite course: None
Length of course: 3 hours
Instructor: Brenda Ianiro

Fee: \$50 (covers all three modules)

Number of

Courses Available Course Title: Certification for Technical Release Representatives on

Service Requirement Subcontracts

Module 2: SRS Release Administration

Course Number: PR9140

Topics: • TRR responsibilities

• Release information

Role of accounts payableAudits and record keeping

• Electronic release

Required for: TRRs for services to obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite course: PR9115, Certification for Technical Release Representatives

on Service Requirement Subcontracts (Module 1)

Length of course: 3 hours
Instructor: Brenda Ianiro

Number of

participants: 20

Course Title: Certification for Technical Release Representatives on

Service Requirement Subcontracts Module 3: PARIS Computer Training

Course Number: PR9141

Topics: • User information for data input into PARIS

release system

Step-by-step procedure of release entryHands-on practice of release entry

Required for: TRRs for services to obtain certification

Required by: DOE Order Repeat frequency: One time only

Prerequisite course: PR9140, Certification for Technical Release Representatives

on Service Requirement Subcontracts (Module 2)

Length of course: 3 hours

Instructor: Becky Cameron

Number of

CoursesCourse Title:Acquisition PlanningAvailableCourse Number:PRXXXX

Course Number: PRXXXX

Description: This course will provide skills in subcontract planning and

solicitation development for both procurement specialists and

requesters.

Topics: • Long-range procurement planning

• Source evaluation procedures

Solicitation development

• Competitive range

• Enhancing competition

• Requirements descriptions, including

statements of work (SOWs)

Avoiding crises

· Best and final offers

· Selection and award

Audience: Buyers, Subcontract Administrators, Group Leaders, and

Technical Requesters who need skills in acquisition planning.

Prerequisite: None Length of course: 2 days

Type of instruction: Lecture-discussion, case studies and practical exercises

TBD

Fee: \$200 per student

Number of

Instructor:

Courses Available Course Title: Basic Procurement (M&O Perspective)

Course Number: PR9177

Description: This course presents procurement overview and background

information on the fundamentals of the "Federal Norm."

Topics: • Competition in subcontracting

Types of subcontractsMethods of procurement

Presolicitation considerations

• Cost and price analysis

• Subcontract administration requirements

Audience: Buyers and Subcontract Administrators who need an overview

of the requirements of the Federal Norm and M&O

Purchasing.

Prerequisite: None Length of course: 2 days

Type of instruction: Lecture-discussion, case studies, and practical exercises

Instructor: TBD

Fee: \$200 per student

Number of

Courses Available Course Title: Construct ion Manager De le gation of Authority

Course Number: PRXX XX

Description: This course is designed to instruct Plant Engineering

personnel in the legal requirements for directing changes to construction projects. The class is a prerequisite to receiving delegation of authority from the LLNL Business Manager.

Topics: • Construction changes

• Modifications

• Limits of authority

· Standards and ethics

· Conflict of interest

• Change order directive

• Contract modification

• Reasonableness of price

Audience: Construction managers, Inspectors, Project managers, Plant

Engineering, and Construction contracts specialists.

Prerequisite: None Length of course: 4 hours

Type of instruction: Lecture-discussion, case studies, and practical exercises

Instructor: Vern Davis and Brenda Ianiro

Fee: \$50 per student

Number of

Courses Course Title: **Construction Subcontracts**

Available Course Number: **PRXXXX**

> Description: This course provides working knowledge of construction

subcontracting, with a general overview of soliciting, awarding, and administration of construction subcontracts

according to the "Federal Norm."

Topics: • Preparation of solicitations

• Selection and documentation requirements

· Suspension of work

• Terminations

• Warranties

• Time extensions

• Inspection clauses

· Brooks Act

• Davis-Bacon/Contract Work Hours Acts

Buyers and Subcontract Administrators who need an enhanced Audience:

understanding of construction subcontracting.

Prerequisite: None Length of course: 2 days

Type of instruction: Lecture-discussion, case studies and practical exercises Instructor:

TBD

Fee: \$200 per student

Number of

Courses Available Course Title: Contracting & Materiel Management: An Overview

Course Number: PRXXXX

Description: This course will explain the overall purchasing system at

LLNL. The course will walk a typical requester through the purchasing system, from requisition requirements until the

item or service is received at the Laboratory.

Topics: • Requirement definition

Requisition documentationCompetition requirements

• Single source justification requirements

• Procurement integrity

Responsibilities of the requesterUnauthorized procurements

TRR program overviewInspection and acceptanceSubcontract close-out

Audience: Requesters, administrators, or procurement specialists who are

new to the LLNL purchasing system

Prerequisite: None Length of course: 4 hours

Type of instruction: Lecture-discussion and practical exercises

Instructor: Mike Hodsdon Fee: \$50 per student

Number of

Course See Course Title:

Available Course Number:

Description: This course will provide an understanding of the United States

legal system, basic contract law concepts, and interpretation of

the written contract.

Contract Law

PRXXXX

Topics: • Federal judicial system

• Legal concept of jurisdiction

• Sources of government contract law

• The elements of a contract

• Private and public contracts

Roles, duties and conduct of government

officials

• Rules of contract interpretation

• The importance of the SOW and contract

specifications

Audience: Buyers, Subcontract Administrators, and Group Leaders who

need to understand the basic legal principles operative in

government contracting

Prerequisite: None Length of course: 2 days

Type of instruction: Lecture-discussion, contract law cases and practical exercises

TBD

Fee: \$200 per student

Number of

Instructor:

CoursesCourse Title:Contract TypesAvailableCourse Number:PRXXXX

Description: This course will provide an understanding of the different

contractual arrangements that can be used by the Procurement

specialist.

Topics: • Risk of performance

• General classification of contract types

• Fixed-price type contracts

• Cost-reimbursement type contracts

• Time and materials contracts

Labor hour contracts

Letter contracts

• Requirements contracts

• Blanket purchase agreements

Audience: Buyers, Subcontract Administrators, and Group Leaders who

desire a better understanding of contract types

Prerequisite: None Length of course: 3 days

Type of instruction: Lecture-discussion, contract law cases and practical exercises

Instructor: TI

Fee: \$200 per student

Number of

Courses Available Course Title: Cost And Price Analysis

Course Number: PR9191

Description: This course will provide in-depth analysis of the price and cost

elements that comprise contracts at LLNL.

Topics: • Overview of contract pricing

• Pricing personnel

Contractor cost estimating

Price analysisCost analysis

• Profit analysis (weighted guidelines)

• Documenting the negotiated cost or price

• Pricing options and terminations

Audience: Buyers, Subcontract Administrators, and Group Leaders who

desire a better understanding of cost and price analysis

Prerequisite: Basic Procurement (M&O Perspective)

Length of course: 3 days

Type of instruction: Lecture-discussion, case studies and practical exercises

Instructor: TBD

Fee: \$200 per student

Number of

Courses Available Course Title: **Certification Requirements—Module 1**

Course Number: PR9211-1

Low-value procurement tools—what they are, Topics:

why we use them

Delegation of authority; ethics

Release-driven orders and ProCard purchases

The roles of Receiving, Property, Shipping, and

Accounting

Review of Chem Track, Self-Assessment, and

TRR Desk Audits

Introduction to PARIS and TOPS

Required for: TRRs to obtain certification

Required by: LLNL Policy (Best Management Practices)

Repeat frequency: One time only

Prerequisite: Participants must be nominated by supervisor or Procurement

Manager

Prerequisite course: None

Offered: August 30-31 8:30-4:30 Time(s): Instructor: Brenda Ianiro Fee:

None

Number of

participants: 50

Course Title: Release Administration and Computer Practice—Module

Course Number: PR9211-2

Topics: Item File and PARIS release codes

TRR sample reports

Practice releases and Procard purchases—input data, how to read and hands-on PARIS release

entry and ProCard transaction summary

TRRs to obtain certification Required for:

Required by: LLNL Policy (Best Management Practices)

Repeat frequency: One time only

Prerequisite: Participants must be nominated by supervisor or Procurement

Manager

PR9211-1, Certification Requirements—Module 1 Prerequisite course:

To be determined Offered: Time(s): 8:30-12:00

Instructor: Dawn Hamilton/Becky Cameron

Fee: None

Number of

Business Services Department

Overview

The Business Services Department provides several institutional services for LLNL including the management of property and records and offers training courses in support of these activities.

Property Management training includes a description of property management and why it is important, the responsibilities of the property center representative and others involved in managing property, how LLNL tracks property and the life cycle of a property item.

Records Management training covers common problems with paper filing systems, filing system planning, benefits of using computer technology, developing and maintaining filing systems, retention schedules and appropriate equipment and supplies.

Point of Contact

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e-mail: toni_bettencourt_quickmail.llnl.gov

Business Services Department, Continued

Courses Available

Course Title: Active Files Management

Course Number: SD1001

Description: As the "paperless office" has continued to be elusive and the

ease of producing paper faster has created an information and paper explosion, business must again concentrate on managing active paper records through development of an efficient and cost-effective file system. This full-day course on Active Files Management will provide an overview of the design and development of paper document filing systems for your organization's maximum productivity and efficiency.

Topics:

• Common problems with today's paper filing

systems

• Required knowledge and prerequisite planning

 Relationship between developing a filing system and the retention schedule

• Records inventory, analysis, procedures

Classification into file types

• File retrieval, access and charge-out procedures

• Benefits of using computer technology

• Appropriate filing equipment and supplies

Audience: Persons interested in proactively managing their own filing

systems and those responsible for establishing and maintaining

shared filing

systems

Required for:

Required by:

Repeat frequency:

Prerequisite: None Prerequisite course: None

Hardware:

Offered: Scheduled as needed

Time(s):

Length: 8 hours
Type of instruction: Lecture

Instructor: Nyoakee B. Salway, FAI

Location: To be announced Fee: To be announced

Number of

participants: 50

Deadline:

Business Services Department, Continued

Course Title: Property Management Training Program

Course Number: SD2001

Description: This course provides an overview of the property management

system at LLNL. It covers the responsibilities of a property center representative and others involved with managing property; and the policies and procedures involved in all aspects of property such as acquiring, borrowing, loaning, transferring, and removing property. This course will include hands-on training using the Laboratory's computer database for capital and attractive property called PRISM (Property

Information System).

Topics: • Property management and why it is important

 The responsibilities of the property center representative and others involved in managing

property

· How LLNL keeps track of property

• The life cycle of a property item, including information on acquisition, receiving, tracking, inventorying, storing, and

disposal.

Audience: Property center representatives and others involved with

managing property

Required for: Required by:

Repeat frequency:

Prerequisite: Familiarity with using computers

Prerequisite course:

Hardware: IBM PC or Macintosh Offered: Scheduled as needed

Time(s):

Length: 12 hours

Type of instruction: Lecture, workshop sessions, and hands-on

computer instruction

Instructor: Property Management Division staff

Location: To be announced Fee: To be announced

Number of

participants: 12

Deadline: